

Table 3B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Racial and Ethnic Distribution by County

Comparison of Racial and Ethnic Distribution ⁽²⁾							
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	All Other/Unknown %
Adams	2	*	*	*	*	*	*
Barnes	45	*	*	*	*	*	*
Benson	81	*	*	*	*	*	*
Bottineau	22	*	*	*	*	*	*
Bowman	9	*	*	*	*	*	*
Burke	4	*	*	*	*	*	*
Burleigh	307	75.6	1.3	1.3	21.5	0.3	0.0
Cass	566	82.3	6.9	3.4	5.7	1.8	0.0
Cavalier	12	*	*	*	*	*	*
Dickey	26	*	*	*	*	*	*
Divide	8	*	*	*	*	*	*
Dunn	8	*	*	*	*	*	*
Eddy	12	*	*	*	*	*	*
Emmons	23	*	*	*	*	*	*
Foster	19	*	*	*	*	*	*
Golden Val	10	*	*	*	*	*	*
Grand Fork	428	77.1	3.0	7.2	10.5	2.1	0.0
Grant	4	*	*	*	*	*	*
Griggs	10	*	*	*	*	*	*
Hettinger	6	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

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Kidder	9	*	*	*	*	*	*
LaMoure	10	*	*	*	*	*	*
Logan	4	*	*	*	*	*	*
McHenry	13	*	*	*	*	*	*
McIntosh	6	*	*	*	*	*	*
McKenzie	12	*	*	*	*	*	*
McLean	15	*	*	*	*	*	*
Mercer	12	*	*	*	*	*	*
Morton	98	*	*	*	*	*	*
Mountrail	9	*	*	*	*	*	*
Nelson	12	*	*	*	*	*	*
Pembina	38	*	*	*	*	*	*
Pierce	16	*	*	*	*	*	*
Ramsey	67	*	*	*	*	*	*
Ransom	31	*	*	*	*	*	*
Renville	8	*	*	*	*	*	*
Richland	76	*	*	*	*	*	*
Rolette	236	6.4	0.0	0.0	93.6	0.0	0.0
Sargent	6	*	*	*	*	*	*
Sheridan	1	*	*	*	*	*	*

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Stark	152	93.4	0.0	2.6	3.3	0.7	0.0
Steele	3	*	*	*	*	*	*
Stutsman	104	95.2	1.9	1.9	1.0	0.0	0.0
Towner	6	*	*	*	*	*	*
Traill	19	*	*	*	*	*	*
Walsh	68	*	*	*	*	*	*
Ward	446	78.0	6.1	4.9	7.8	3.1	0.0
Wells	13	*	*	*	*	*	*
Williams	132	88.6	0.8	0.0	10.6	0.0	0.0
Unknown Counties	18	*	*	*	*	*	*
North Dakota	3,242	74.2	2.8	4.3	17.5	1.2	0.0
Nation (Prior Year)	747,174	48.7	24.4	21.2	1.3	1.9	2.5

(1) Reporting period is January 1 through December 31.

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Table 4B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Age Distribution by County

Comparison of Age Distribution ⁽²⁾								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Adams	2	*	*	*	*	*	*	*
Barnes	45	*	*	*	*	*	*	*
Benson	81	*	*	*	*	*	*	*
Bottineau	22	*	*	*	*	*	*	*
Bowman	9	*	*	*	*	*	*	*
Burke	4	*	*	*	*	*	*	*
Burleigh	307	0.7	4.2	15.0	65.8	13.0	0.7	0.7
Cass	566	0.0	1.8	12.2	69.6	15.5	0.5	0.4
Cavalier	12	*	*	*	*	*	*	*
Dickey	26	*	*	*	*	*	*	*
Divide	8	*	*	*	*	*	*	*
Dunn	8	*	*	*	*	*	*	*
Eddy	12	*	*	*	*	*	*	*
Emmons	23	*	*	*	*	*	*	*
Foster	19	*	*	*	*	*	*	*
Golden Val	10	*	*	*	*	*	*	*
Grand Fork	428	0.0	4.0	12.1	64.7	18.0	1.2	0.0
Grant	4	*	*	*	*	*	*	*
Griggs	10	*	*	*	*	*	*	*

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County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Hettinger	6	*	*	*	*	*	*	*
Kidder	9	*	*	*	*	*	*	*
LaMoure	10	*	*	*	*	*	*	*
Logan	4	*	*	*	*	*	*	*
McHenry	13	*	*	*	*	*	*	*
McIntosh	6	*	*	*	*	*	*	*
McKenzie	12	*	*	*	*	*	*	*
McLean	15	*	*	*	*	*	*	*
Mercer	12	*	*	*	*	*	*	*
Morton	98	*	*	*	*	*	*	*
Mountrail	9	*	*	*	*	*	*	*
Nelson	12	*	*	*	*	*	*	*
Pembina	38	*	*	*	*	*	*	*
Pierce	16	*	*	*	*	*	*	*
Ramsey	67	*	*	*	*	*	*	*
Ransom	31	*	*	*	*	*	*	*
Renville	8	*	*	*	*	*	*	*
Richland	76	*	*	*	*	*	*	*
Rolette	236	1.7	7.6	19.1	56.8	13.6	1.3	0.0

(1) Reporting period is January 1 through December 31.

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County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Sargent	6	*	*	*	*	*	*	*
Sheridan	1	*	*	*	*	*	*	*
Stark	152	0.0	2.0	12.5	69.7	14.5	0.7	0.7
Steele	3	*	*	*	*	*	*	*
Stutsman	104	0.0	1.9	11.5	65.4	18.3	0.0	2.9
Towner	6	*	*	*	*	*	*	*
Traill	19	*	*	*	*	*	*	*
Walsh	68	*	*	*	*	*	*	*
Ward	446	0.0	4.3	11.9	70.9	12.3	0.4	0.2
Wells	13	*	*	*	*	*	*	*
Williams	132	0.0	4.5	19.7	62.1	12.9	0.8	0.0
Unknown Counties	18	*	*	*	*	*	*	*
North Dakota	3,242	0.2	4.3	13.2	64.8	16.1	0.9	0.4
Nation (Prior Year)	747,174	0.4	6.9	13.4	60.1	17.9	1.3	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

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Table 5B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Health Indicators by County

Comparison of Maternal Health Indicators ^(2, 3)										
County	Prepregnancy BMI (4)				Weight Gain (5)				Anemia (Low Hb/Hct) (6)	
	Under-weight		Over-weight		< Ideal		> Ideal		3rd Trimester	Postpartum
	Number	% (Rank)	% (Rank)		Number	% (Rank)	% (Rank)		Number	% (Rank)
Adams	2	*	*	*	1	*	*	*	0	*
Barnes	45	*	*	*	30	*	*	*	4	*
Benson	79	*	*	*	49	*	*	*	15	*
Bottineau	22	*	*	*	18	*	*	*	4	*
Bowman	8	*	*	*	4	*	*	*	1	*
Burke	4	*	*	*	2	*	*	*	0	*
Burleigh	293	11.6 (8)	45.1 (6)		223	16.1 (5)	50.2 (4)		46	*
Cass	526	11.4 (7)	40.9 (2)		417	18.2 (6)	46.0 (3)		83	*
Cavalier	10	*	*	*	8	*	*	*	0	*
Dickey	24	*	*	*	6	*	*	*	3	*
Divide	8	*	*	*	8	*	*	*	1	*
Dunn	8	*	*	*	8	*	*	*	0	*
Eddy	12	*	*	*	8	*	*	*	2	*
Emmons	23	*	*	*	20	*	*	*	2	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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Comparison of Maternal Health Indicators (2, 3)																
County	Prepregnancy BMI (4)					Weight Gain (5)					Anemia (Low Hb/Hct) (6)					
	Under-weight				Over-weight	< Ideal				> Ideal	3rd Trimester		Postpartum			
	Number	% (Rank)		% (Rank)	Number	% (Rank)		% (Rank)	Number	% (Rank)		Number	% (Rank)			
Foster	19	*	*	*	*	16	*	*	*	*	1	*	*	8	*	*
Golden Val	10	*	*	*	*	7	*	*	*	*	2	*	*	5	*	*
Grand Fork	392	8.9	(2)	41.1	(3)	214	15.0	(4)	44.4	(1)	49	*	*	221	36.2	(3)
Grant	4	*	*	*	*	3	*	*	*	*	1	*	*	3	*	*
Griggs	10	*	*	*	*	7	*	*	*	*	3	*	*	9	*	*
Hettinger	6	*	*	*	*	5	*	*	*	*	2	*	*	5	*	*
Kidder	8	*	*	*	*	5	*	*	*	*	1	*	*	4	*	*
LaMoure	9	*	*	*	*	5	*	*	*	*	0	*	*	5	*	*
Logan	4	*	*	*	*	4	*	*	*	*	0	*	*	3	*	*
McHenry	13	*	*	*	*	10	*	*	*	*	1	*	*	10	*	*
McIntosh	6	*	*	*	*	4	*	*	*	*	0	*	*	1	*	*
McKenzie	11	*	*	*	*	10	*	*	*	*	0	*	*	10	*	*
McLean	15	*	*	*	*	10	*	*	*	*	1	*	*	8	*	*
Mercer	12	*	*	*	*	12	*	*	*	*	1	*	*	9	*	*

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County	Prepregnancy BMI (4)				Weight Gain (5)				Anemia (Low Hb/Hct) (6)				
	Under-weight		Over-weight	< Ideal		> Ideal		3rd Trimester		Postpartum			
	Number	% (Rank)	% (Rank)	Number	% (Rank)	% (Rank)	Number	% (Rank)	Number	% (Rank)			
Morton	93	* * * *		73	* * * *		10	* *		50	* *		
Mountrail	9	* * * *		6	* * * *		0	* *		1	* *		
Nelson	12	* * * *		6	* * * *		3	* *		6	* *		
Pembina	36	* * * *		13	* * * *		5	* *		25	* *		
Pierce	16	* * * *		12	* * * *		1	* *		9	* *		
Ramsey	66	* * * *		55	* * * *		11	* *		40	* *		
Ransom	27	* * * *		20	* * * *		2	* *		18	* *		
Renville	8	* * * *		6	* * * *		1	* *		6	* *		
Richland	72	* * * *		32	* * * *		13	* *		27	* *		
Rolette	235	8.9 (2)	50.2 (8)	189	9.0 (1)	58.2 (6)	23	* *		150	24.7 (1)		
Sargent	5	* * * *		2	* * * *		0	* *		2	* *		
Sheridan	1	* * * *		0	* * * *		0	* *		0	* *		
Stark	136	10.3 (6)	44.9 (5)	117	10.3 (2)	53.8 (5)	21	* *		86	* *		
Steele	2	* * * *		1	* * * *		0	* *		1	* *		

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(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

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Comparison of Maternal Health Indicators (2, 3)												
County	Prepregnancy BMI (4)				Weight Gain (5)				Anemia (Low Hb/Hct) (6)			
	Under-weight		Over-weight		< Ideal		> Ideal		3rd Trimester		Postpartum	
	Number	% (Rank)	% (Rank)		Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)
Stutsman	100	9.0 (4)	50.0 (7)		72	* *	* *		14	* *	68	* *
Towner	6	* *	* *		5	* *	* *		1	* *	4	* *
Traill	19	* *	* *		13	* *	* *		1	* *	9	* *
Walsh	66	* *	* *		32	* *	* *		5	* *	38	* *
Ward	423	8.7 (1)	40.2 (1)		299	14.7 (3)	45.8 (2)		68	* *	277	24.9 (2)
Wells	13	* *	* *		11	* *	* *		1	* *	5	* *
Williams	124	9.7 (5)	43.5 (4)		79	* *	* *		13	* *	67	* *
Unknown Counties	16	* *	* *		10	* *	* *		3	* *	13	* *
North Dakota	3,068	10.3	45.0		2,167	14.4	49.5		419	24.6	1,886	30.4
Nation (Prior Year)	678,999	12.1	43.0		579,271	25.2	44.2		99,365	30.3	253,236	29.5

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(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

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Table 6B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
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Comparison of Maternal Behavioral Indicators by County

Comparison of Maternal Behavioral Indicators ^(2, 3)						
County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Adams	2	* *	* *		2	* *
Barnes	35	* *	* *		43	* *
Benson	72	* *	* *		75	* *
Bottineau	22	* *	* *		18	* *
Bowman	8	* *	* *		8	* *
Burke	3	* *	* *		4	* *
Burleigh	269	88.8 (3)	2.6 (4)		259	47.1 (2)
Cass	478	91.0 (2)	0.2 (1)		456	45.0 (3)
Cavalier	12	* *	* *		10	* *
Dickey	19	* *	* *		24	* *
Divide	8	* *	* *		6	* *
Dunn	8	* *	* *		8	* *
Eddy	11	* *	* *		12	* *
Emmons	21	* *	* *		23	* *
Foster	17	* *	* *		12	* *
Golden Val	9	* *	* *		9	* *

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County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Grand Fork	352	91.8 (1)	2.6 (4)		363	43.8 (4)
Grant	4	* *	* *		4	* *
Griggs	10	* *	* *		10	* *
Hettinger	5	* *	* *		6	* *
Kidder	8	* *	* *		5	* *
LaMoure	9	* *	* *		9	* *
Logan	4	* *	* *		3	* *
McHenry	13	* *	* *		13	* *
McIntosh	5	* *	* *		4	* *
McKenzie	12	* *	* *		12	* *
McLean	10	* *	* *		14	* *
Mercer	12	* *	* *		9	* *
Morton	87	* *	* *		78	* *
Mountrail	8	* *	* *		5	* *
Nelson	11	* *	* *		7	* *
Pembina	34	* *	* *		34	* *

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County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Pierce	16	* *	* *		16	* *
Ramsey	59	* *	* *		67	* *
Ransom	30	* *	* *		21	* *
Renville	6	* *	* *		7	* *
Richland	42	* *	* *		56	* *
Rolette	213	78.9 (7)	1.9 (3)		234	51.3 (1)
Sargent	4	* *	* *		5	* *
Sheridan	1	* *	* *		1	* *
Stark	141	83.7 (5)	5.0 (7)		137	40.1 (5)
Steele	3	* *	* *		2	* *
Stutsman	93	* *	* *		92	* *
Towner	5	* *	* *		6	* *
Traill	13	* *	* *		14	* *
Walsh	55	* *	* *		66	* *
Ward	379	87.1 (4)	0.5 (2)		426	35.9 (6)
Wells	13	* *	* *		12	* *

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Comparison of Maternal Behavioral Indicators ^(2, 3)						
County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Williams	115	80.0 (6)	4.3 (6)		113	35.4 (7)
Unknown Counties	16	* *	* *		14	* *
North Dakota	2,782	87.0	1.9		2,834	42.7
Nation (Prior Year)	440,121	77.1	8.9		695,912	27.6

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(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2004 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Adams	2	* *	2	* *	1	* *	2	* *	2	* *
Barnes	43	* *	34	* *	12	* *	38	* *	34	* *
Benson	76	* *	53	* *	29	* *	76	* *	52	* *
Bottineau	17	* *	19	* *	6	* *	16	* *	19	* *
Bowman	7	* *	5	* *	0	* *	5	* *	4	* *
Burke	4	* *	2	* *	1	* *	4	* *	1	* *
Burleigh	276	54.3 (6)	256	25.8 (5)	111	46.8 (1)	245	37.1 (5)	254	36.6 (6)
Cass	558	45.2 (2)	468	23.5 (3)	158	32.9 (3)	451	32.4 (4)	466	32.2 (4)
Cavalier	11	* *	11	* *	3	* *	9	* *	11	* *
Dickey	14	* *	7	* *	3	* *	13	* *	7	* *
Divide	7	* *	8	* *	0	* *	6	* *	7	* *
Dunn	7	* *	7	* *	2	* *	5	* *	8	* *
Eddy	12	* *	10	* *	2	* *	10	* *	10	* *
Emmons	23	* *	21	* *	3	* *	19	* *	21	* *
Foster	19	* *	17	* *	2	* *	11	* *	17	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2004 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Golden Val	7	* *	7	* *	2	* *	7	* *	7	* *
Grand Fork	325	47.1 (4)	252	18.3 (1)	80	* *	304	24.3 (1)	250	21.2 (1)
Grant	4	* *	4	* *	0	* *	3	* *	3	* *
Griggs	10	* *	8	* *	3	* *	10	* *	8	* *
Hettinger	6	* *	5	* *	2	* *	6	* *	5	* *
Kidder	8	* *	8	* *	2	* *	5	* *	8	* *
LaMoure	8	* *	7	* *	1	* *	5	* *	6	* *
Logan	4	* *	4	* *	1	* *	3	* *	4	* *
McHenry	12	* *	13	* *	6	* *	11	* *	12	* *
McIntosh	2	* *	5	* *	1	* *	2	* *	4	* *
McKenzie	12	* *	11	* *	4	* *	11	* *	11	* *
McLean	15	* *	10	* *	2	* *	13	* *	10	* *
Mercer	12	* *	12	* *	6	* *	9	* *	12	* *
Morton	90	* *	83	* *	27	* *	61	* *	77	* *
Mountrail	8	* *	6	* *	0	* *	2	* *	6	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2004 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Nelson	9	* * *	6	* * *	0	* * *	7	* * *	6	* * *
Pembina	31	* * *	8	* * *	1	* * *	29	* * *	7	* * *
Pierce	16	* * *	14	* * *	2	* * *	13	* * *	13	* * *
Ramsey	67	* * *	58	* * *	24	* * *	54	* * *	57	* * *
Ransom	24	* * *	28	* * *	6	* * *	24	* * *	25	* * *
Renville	8	* * *	6	* * *	1	* * *	8	* * *	6	* * *
Richland	67	* * *	37	* * *	16	* * *	62	* * *	37	* * *
Rolette	235	63.8 (7)	205	45.4 (6)	123	19.5 (4)	218	44.5 (6)	205	23.4 (2)
Sargent	5	* * *	3	* * *	1	* * *	4	* * *	3	* * *
Sheridan	1	* * *	1	* * *	0	* * *	0	* * *	1	* * *
Stark	139	46.0 (3)	134	25.4 (4)	52	* * *	121	30.6 (2)	131	32.8 (5)
Steele	3	* * *	2	* * *	0	* * *	2	* * *	2	* * *
Stutsman	98	* * *	83	* * *	37	* * *	83	* * *	80	* * *
Towner	6	* * *	5	* * *	2	* * *	5	* * *	5	* * *
Trail	19	* * *	13	* * *	2	* * *	15	* * *	13	* * *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2004 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by County

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Walsh	65	* *	40	* *	12	* *	61	* *	39	* *
Ward	357	43.7 (1)	335	19.1 (2)	105	45.7 (2)	341	30.8 (3)	301	27.6 (3)
Wells	9	* *	13	* *	3	* *	2	* *	4	* *
Williams	128	51.6 (5)	94	* *	32	* *	88	* *	94	* *
Unknown Counties	15	* *	12	* *	5	* *	12	* *	11	* *
North Dakota	2,901	47.7	2,452	25.1	894	36.5	2,511	32.8	2,376	28.1
Nation (Prior Year)	617,683	29.1	483,916	18.9	121,114	31.9	294,627	25.5	331,615	22.3

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2, 3)														
County	Birthweight				Preterm (6)		Full Term LBW (7)		Ever Breastfed					
	Low (4)		High (5)											
	Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)				
Adams	0	*	*	*	*	1	*	*	0	*	*	2	*	*
Barnes	33	*	*	*	*	29	*	*	26	*	*	32	*	*
Benson	56	*	*	*	*	54	*	*	43	*	*	59	*	*
Bottineau	11	*	*	*	*	18	*	*	7	*	*	22	*	*
Bowman	8	*	*	*	*	7	*	*	6	*	*	8	*	*
Burke	2	*	*	*	*	2	*	*	1	*	*	2	*	*
Burleigh	250	6.4	(5)	6.8	(1)	210	12.4	(5)	183	2.7	(5)	253	48.6	(5)
Cass	464	6.3	(4)	10.6	(4)	354	12.1	(4)	311	1.6	(1)	465	59.6	(3)
Cavalier	12	*	*	*	*	10	*	*	10	*	*	12	*	*
Dickey	14	*	*	*	*	15	*	*	11	*	*	16	*	*
Divide	8	*	*	*	*	6	*	*	6	*	*	8	*	*
Dunn	7	*	*	*	*	6	*	*	5	*	*	7	*	*
Eddy	11	*	*	*	*	11	*	*	10	*	*	11	*	*
Emmons	17	*	*	*	*	21	*	*	17	*	*	21	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County

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Comparison of Infant Health Indicators (2, 3)														
County	Birthweight				Preterm (6)	Full Term LBW (7)	Ever Breastfed							
	Low (4)		High (5)											
	Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)				
Foster	16	*	*	*	*	9	*	*	6	*	*	16	*	*
Golden Val	6	*	*	*	*	6	*	*	5	*	*	6	*	*
Grand Fork	256	7.4	(6)	10.2	(3)	210	11.9	(3)	175	2.3	(4)	267	57.3	(4)
Grant	3	*	*	*	*	3	*	*	3	*	*	3	*	*
Griggs	9	*	*	*	*	9	*	*	7	*	*	9	*	*
Hettinger	5	*	*	*	*	5	*	*	5	*	*	5	*	*
Kidder	8	*	*	*	*	4	*	*	4	*	*	8	*	*
LaMoure	7	*	*	*	*	8	*	*	5	*	*	9	*	*
Logan	4	*	*	*	*	2	*	*	2	*	*	4	*	*
McHenry	13	*	*	*	*	13	*	*	13	*	*	13	*	*
McIntosh	3	*	*	*	*	1	*	*	0	*	*	3	*	*
McKenzie	12	*	*	*	*	12	*	*	10	*	*	12	*	*
McLean	10	*	*	*	*	9	*	*	8	*	*	10	*	*
Mercer	12	*	*	*	*	9	*	*	8	*	*	12	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County

Comparison of Infant Health Indicators (2, 3)														
County	Birthweight					Preterm (6)		Full Term LBW (7)		Ever Breastfed				
	Low (4)		High (5)											
	Number	% (Rank)		% (Rank)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)			
Morton	73	*	*	*	*	55	*	*	42	*	*	78	*	*
Mountrail	6	*	*	*	*	3	*	*	3	*	*	6	*	*
Nelson	11	*	*	*	*	6	*	*	5	*	*	11	*	*
Pembina	20	*	*	*	*	27	*	*	17	*	*	28	*	*
Pierce	14	*	*	*	*	14	*	*	11	*	*	14	*	*
Ramsey	56	*	*	*	*	58	*	*	53	*	*	58	*	*
Ransom	27	*	*	*	*	17	*	*	15	*	*	27	*	*
Renville	6	*	*	*	*	5	*	*	5	*	*	6	*	*
Richland	35	*	*	*	*	30	*	*	24	*	*	39	*	*
Rolette	111	5.4	(2)	10.8	(5)	108	11.1	(2)	96	*	*	107	33.6	(6)
Sargent	3	*	*	*	*	3	*	*	2	*	*	4	*	*
Sheridan	0	*	*	*	*	0	*	*	0	*	*	0	*	*
Stark	137	5.8	(3)	9.5	(2)	121	14.0	(6)	104	1.9	(3)	137	61.3	(2)
Steele	0	*	*	*	*	0	*	*	0	*	*	0	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County

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Comparison of Infant Health Indicators (2, 3)														
County	Birthweight					Preterm (6)		Full Term LBW (7)		Ever Breastfed				
	Low (4)		High (5)											
	Number	% (Rank)		% (Rank)		Number	% (Rank)	Number	% (Rank)		Number	% (Rank)		
Stutsman	86	*	*	*	*	78	*	*	69	*	*	87	*	*
Towner	5	*	*	*	*	5	*	*	5	*	*	5	*	*
Traill	13	*	*	*	*	9	*	*	8	*	*	12	*	*
Walsh	42	*	*	*	*	44	*	*	35	*	*	45	*	*
Ward	341	3.8	(1)	11.1	(6)	328	9.1	(1)	285	1.8	(2)	355	62.5	(1)
Wells	12	*	*	*	*	12	*	*	10	*	*	13	*	*
Williams	92	*	*	*	*	70	*	*	56	*	*	94	*	*
Unknown Counties	15	*	*	*	*	12	*	*	11	*	*	15	*	*
North Dakota	2,362	5.6		10.1		2,049	11.8		1,743	1.8		2,436	54.9	
Nation (Prior Year)	616,163	8.0		7.5		599,892	11.3		502,591	3.8		616,123	55.7	

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 3B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Racial and Ethnic Distribution by County
Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾							
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	All Other/Unknown %
Adams	16	*	*	*	*	*	*
Barnes	138	92.0	1.4	2.2	3.6	0.7	0.0
Benson	274	5.8	0.0	0.4	93.8	0.0	0.0
Bottineau	68	*	*	*	*	*	*
Bowman	37	*	*	*	*	*	*
Burke	17	*	*	*	*	*	*
Burleigh	934	75.4	0.9	1.6	21.5	0.6	0.0
Cass	1,840	81.8	7.1	4.3	5.4	1.5	0.0
Cavalier	40	*	*	*	*	*	*
Dickey	80	*	*	*	*	*	*
Divide	17	*	*	*	*	*	*
Dunn	18	*	*	*	*	*	*
Eddy	28	*	*	*	*	*	*
Emmons	81	*	*	*	*	*	*
Foster	67	*	*	*	*	*	*
Golden Val	18	*	*	*	*	*	*
Grand Fork	1,293	78.1	3.6	6.4	9.7	2.2	0.0
Grant	15	*	*	*	*	*	*
Griggs	34	*	*	*	*	*	*
Hettinger	18	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 3B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Racial and Ethnic Distribution by County
Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾							
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	All Other/Unknown %
Kidder	41	*	*	*	*	*	*
LaMoure	28	*	*	*	*	*	*
Logan	20	*	*	*	*	*	*
McHenry	54	*	*	*	*	*	*
McIntosh	13	*	*	*	*	*	*
McKenzie	30	*	*	*	*	*	*
McLean	79	*	*	*	*	*	*
Mercer	69	*	*	*	*	*	*
Morton	311	83.6	0.3	1.6	14.5	0.0	0.0
Mountrail	37	*	*	*	*	*	*
Nelson	33	*	*	*	*	*	*
Pembina	120	85.0	0.0	10.8	4.2	0.0	0.0
Pierce	58	*	*	*	*	*	*
Ramsey	299	68.2	0.0	0.3	31.4	0.0	0.0
Ransom	83	*	*	*	*	*	*
Renville	26	*	*	*	*	*	*
Richland	287	79.1	2.1	5.6	12.5	0.7	0.0
Rolette	786	6.5	0.0	0.0	93.3	0.3	0.0
Sargent	24	*	*	*	*	*	*
Sheridan	9	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 3B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Racial and Ethnic Distribution by County
Combined 3 Years

Comparison of Racial and Ethnic Distribution ⁽²⁾							
County	Number Included in Analysis	White, Not Hispanic %	Black, Not Hispanic %	Hispanic %	American Indian/Alaskan Native %	Asian/Pacific Islander %	All Other/Unknown %
Stark	422	92.2	0.2	2.4	4.5	0.7	0.0
Steele	11	*	*	*	*	*	*
Stutsman	336	95.8	0.9	2.1	1.2	0.0	0.0
Towner	19	*	*	*	*	*	*
Traill	86	*	*	*	*	*	*
Walsh	257	52.5	0.0	45.1	1.9	0.4	0.0
Ward	1,418	79.5	5.9	4.8	7.7	2.1	0.0
Wells	49	*	*	*	*	*	*
Williams	399	81.7	0.8	1.8	15.8	0.0	0.0
Unknown Counties	101	77.2	1.0	14.9	5.9	1.0	0.0
North Dakota	10,538	74.2	2.8	4.5	17.5	1.1	0.0

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 4B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Age Distribution by County
Combined 3 Years

Comparison of Age Distribution ⁽²⁾								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Adams	16	*	*	*	*	*	*	*
Barnes	138	0.0	5.1	16.7	61.6	15.2	1.4	0.0
Benson	274	0.4	10.2	17.2	60.2	11.7	0.4	0.0
Bottineau	68	*	*	*	*	*	*	*
Bowman	37	*	*	*	*	*	*	*
Burke	17	*	*	*	*	*	*	*
Burleigh	934	0.3	3.9	18.1	63.6	13.0	0.5	0.6
Cass	1,840	0.2	3.5	12.2	68.4	14.7	0.7	0.3
Cavalier	40	*	*	*	*	*	*	*
Dickey	80	*	*	*	*	*	*	*
Divide	17	*	*	*	*	*	*	*
Dunn	18	*	*	*	*	*	*	*
Eddy	28	*	*	*	*	*	*	*
Emmons	81	*	*	*	*	*	*	*
Foster	67	*	*	*	*	*	*	*
Golden Val	18	*	*	*	*	*	*	*
Grand Fork	1,293	0.0	3.9	12.8	67.4	14.5	0.9	0.3
Grant	15	*	*	*	*	*	*	*
Griggs	34	*	*	*	*	*	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 4B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Age Distribution by County
Combined 3 Years

Comparison of Age Distribution ⁽²⁾								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Hettinger	18	*	*	*	*	*	*	*
Kidder	41	*	*	*	*	*	*	*
LaMoure	28	*	*	*	*	*	*	*
Logan	20	*	*	*	*	*	*	*
McHenry	54	*	*	*	*	*	*	*
McIntosh	13	*	*	*	*	*	*	*
McKenzie	30	*	*	*	*	*	*	*
McLean	79	*	*	*	*	*	*	*
Mercer	69	*	*	*	*	*	*	*
Morton	311	0.0	5.1	10.0	63.0	20.3	1.6	0.0
Mountrail	37	*	*	*	*	*	*	*
Nelson	33	*	*	*	*	*	*	*
Pembina	120	0.0	3.3	10.8	67.5	16.7	1.7	0.0
Pierce	58	*	*	*	*	*	*	*
Ramsey	299	0.0	7.4	16.1	59.5	14.7	1.7	0.7
Ransom	83	*	*	*	*	*	*	*
Renville	26	*	*	*	*	*	*	*
Richland	287	0.0	4.2	19.5	61.7	13.9	0.7	0.0
Rolette	786	1.0	9.2	17.6	57.4	14.1	0.6	0.1

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 4B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Age Distribution by County
Combined 3 Years

Comparison of Age Distribution ⁽²⁾								
County	Number Included in Analysis	< 15 Years %	15 - 17 Years %	18 - 19 Years %	20 - 29 Years %	30 - 39 Years %	>= 40 Years %	Unknown %
Sargent	24	*	*	*	*	*	*	*
Sheridan	9	*	*	*	*	*	*	*
Stark	422	0.2	3.3	14.7	69.0	12.1	0.5	0.2
Steele	11	*	*	*	*	*	*	*
Stutsman	336	0.0	5.7	14.6	58.6	19.6	0.6	0.9
Towner	19	*	*	*	*	*	*	*
Traill	86	*	*	*	*	*	*	*
Walsh	257	0.0	10.1	16.7	51.8	19.8	1.2	0.4
Ward	1,418	0.1	3.3	14.2	70.1	11.2	0.8	0.3
Wells	49	*	*	*	*	*	*	*
Williams	399	0.0	5.0	21.6	58.1	13.5	1.5	0.3
Unknown Counties	101	2.0	5.0	22.8	57.4	11.9	1.0	0.0
North Dakota	10,538	0.2	4.7	14.4	64.2	15.2	0.9	0.4

(1) Reporting period is January 1 through December 31.

(2) Excludes data with errors.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Health Indicators by County
Combined 3 Years

Comparison of Maternal Health Indicators ^(2, 3)										
County	Prepregnancy BMI (4)				Weight Gain (5)				Anemia (Low Hb/Hct) (6)	
	Under-weight		Over-weight		< Ideal		> Ideal		3rd Trimester	Postpartum
	Number	% (Rank)	% (Rank)		Number	% (Rank)	% (Rank)		Number	% (Rank)
Adams	15	* *	* *		10	* *	* *		1	* *
Barnes	138	8.7 (1)	42.8 (7)		104	10.6 (1)	49.0 (8)		12	* *
Benson	267	9.7 (2)	48.3 (12)		134	20.9 (14)	49.3 (9)		68	* *
Bottineau	67	* *	* *		51	* *	* *		12	* *
Bowman	35	* *	* *		19	* *	* *		5	* *
Burke	17	* *	* *		9	* *	* *		4	* *
Burleigh	884	11.2 (6)	44.6 (8)		662	14.7 (11)	50.5 (12)		135	33.3 (4)
Cass	1,731	11.9 (8)	38.3 (1)		1,326	16.7 (12)	47.0 (4)		264	31.4 (3)
Cavalier	37	* *	* *		30	* *	* *		1	* *
Dickey	75	* *	* *		32	* *	* *		8	* *
Divide	16	* *	* *		15	* *	* *		1	* *
Dunn	18	* *	* *		17	* *	* *		1	* *
Eddy	28	* *	* *		21	* *	* *		3	* *
Emmons	81	* *	* *		72	* *	* *		11	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Health Indicators by County
Combined 3 Years

Comparison of Maternal Health Indicators (2, 3)																
County	Prepregnancy BMI (4)					Weight Gain (5)					Anemia (Low Hb/Hct) (6)					
	Under-weight				Over-weight	< Ideal				> Ideal	3rd Trimester		Postpartum			
	Number	% (Rank)		% (Rank)	Number	% (Rank)		% (Rank)	Number	% (Rank)		Number	% (Rank)			
Foster	67	*	*	*	*	55	*	*	*	*	8	*	*	43	*	*
Golden Val	17	*	*	*	*	10	*	*	*	*	3	*	*	10	*	*
Grand Fork	1,175	11.5	(7)	39.6	(2)	725	14.2	(10)	47.7	(6)	158	22.8	(2)	674	33.2	(10)
Grant	14	*	*	*	*	10	*	*	*	*	1	*	*	8	*	*
Griggs	33	*	*	*	*	26	*	*	*	*	6	*	*	25	*	*
Hettinger	18	*	*	*	*	10	*	*	*	*	4	*	*	12	*	*
Kidder	35	*	*	*	*	25	*	*	*	*	4	*	*	21	*	*
LaMoure	26	*	*	*	*	13	*	*	*	*	1	*	*	10	*	*
Logan	19	*	*	*	*	17	*	*	*	*	0	*	*	13	*	*
McHenry	53	*	*	*	*	40	*	*	*	*	9	*	*	34	*	*
McIntosh	12	*	*	*	*	7	*	*	*	*	0	*	*	1	*	*
McKenzie	26	*	*	*	*	17	*	*	*	*	2	*	*	15	*	*
McLean	79	*	*	*	*	62	*	*	*	*	12	*	*	48	*	*
Mercer	64	*	*	*	*	54	*	*	*	*	10	*	*	36	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Health Indicators by County
Combined 3 Years

Comparison of Maternal Health Indicators (2, 3)												
County	Prepregnancy BMI (4)				Weight Gain (5)				Anemia (Low Hb/Hct) (6)			
	Under-weight		Over-weight		< Ideal		> Ideal		3rd Trimester		Postpartum	
	Number	% (Rank)	% (Rank)		Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)
Morton	301	12.6 (11)	40.5 (4)		236	17.8 (13)	47.0 (4)		40	* *	178	23.0 (4)
Mountrail	32	* *	* *		22	* *	* *		5	* *	6	* *
Nelson	30	* *	* *		15	* *	* *		4	* *	15	* *
Pembina	113	12.4 (10)	52.2 (15)		44	* *	* *		14	* *	56	* *
Pierce	58	* *	* *		44	* *	* *		6	* *	37	* *
Ramsey	291	12.0 (9)	41.2 (5)		220	14.1 (9)	55.0 (13)		36	* *	165	18.2 (2)
Ransom	75	* *	* *		58	* *	* *		11	* *	52	* *
Renville	26	* *	* *		21	* *	* *		5	* *	16	* *
Richland	276	16.3 (15)	45.7 (9)		183	13.1 (4)	48.1 (7)		45	* *	169	32.5 (9)
Rolette	779	10.0 (3)	49.4 (14)		600	10.8 (2)	55.3 (14)		94	* *	555	19.8 (3)
Sargent	23	* *	* *		15	* *	* *		2	* *	8	* *
Sheridan	9	* *	* *		7	* *	* *		1	* *	6	* *
Stark	378	13.2 (13)	41.5 (6)		291	13.4 (5)	50.2 (11)		56	* *	202	26.7 (8)
Steele	9	* *	* *		3	* *	* *		0	* *	3	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 5B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Health Indicators by County
Combined 3 Years

Comparison of Maternal Health Indicators (2, 3)												
County	Prepregnancy BMI (4)				Weight Gain (5)				Anemia (Low Hb/Hct) (6)			
	Under-weight		Over-weight		< Ideal		> Ideal		3rd Trimester		Postpartum	
	Number	% (Rank)	% (Rank)		Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)
Stutsman	326	12.6 (11)	49.1 (13)		233	12.9 (3)	46.4 (3)		31	* *	225	24.0 (7)
Towner	19	* *	* *		15	* *	* *		1	* *	12	* *
Traill	81	* *	* *		60	* *	* *		12	* *	43	* *
Walsh	250	15.2 (14)	48.0 (11)		137	13.9 (7)	40.9 (1)		26	* *	126	23.0 (4)
Ward	1,338	10.1 (4)	39.7 (3)		960	14.0 (8)	49.7 (10)		205	16.6 (1)	861	23.9 (6)
Wells	49	* *	* *		33	* *	* *		2	* *	18	* *
Williams	367	10.4 (5)	46.6 (10)		191	13.6 (6)	44.0 (2)		27	* *	156	14.7 (1)
Unknown Counties	97	* *	* *		64	* *	* *		11	* *	68	* *
North Dakota	9,974	11.2	43.3		7,025	14.5	49.0		1,378	23.6	6,053	28.3

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight (BMI <19.8), overweight (BMI >26.0; includes overweight and obese women).

(5) Based on 1990 IOM report, "Nutrition During Pregnancy": underweight prepregnancy (ideal weight gain = 28 to 40 lbs), normal weight prepregnancy (ideal weight gain = 25 to 35 lbs), overweight prepregnancy (ideal weight gain = 15 to 25 lbs), obese prepregnancy (ideal weight gain = 15 to 25 lbs).

(6) Based on 1990 MMWR, "Recommendations to Prevent and Control Iron Deficiency in the United States"; adjusted for altitude and smoking.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 6B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Behavioral Indicators by County
Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2, 3)						
County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Adams	14	* *	* *		14	* *
Barnes	117	76.1 (13)	5.1 (13)		122	43.4 (7)
Benson	206	58.3 (14)	6.3 (14)		260	34.2 (13)
Bottineau	66	* *	* *		53	* *
Bowman	35	* *	* *		32	* *
Burke	14	* *	* *		14	* *
Burleigh	799	86.9 (6)	1.8 (9)		783	43.0 (8)
Cass	1,536	90.8 (1)	0.2 (3)		1,492	44.3 (5)
Cavalier	37	* *	* *		36	* *
Dickey	67	* *	* *		72	* *
Divide	17	* *	* *		9	* *
Dunn	18	* *	* *		17	* *
Eddy	27	* *	* *		28	* *
Emmons	74	* *	* *		78	* *
Foster	63	* *	* *		51	* *
Golden Val	17	* *	* *		16	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 6B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Behavioral Indicators by County
Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2, 3)						
County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Grand Fork	1,084	87.0 (5)	3.8 (10)		1,055	43.5 (6)
Grant	13	* *	* *		14	* *
Griggs	33	* *	* *		33	* *
Hettinger	14	* *	* *		17	* *
Kidder	34	* *	* *		28	* *
LaMoure	26	* *	* *		25	* *
Logan	19	* *	* *		14	* *
McHenry	51	* *	* *		53	* *
McIntosh	9	* *	* *		10	* *
McKenzie	28	* *	* *		24	* *
McLean	68	* *	* *		66	* *
Mercer	66	* *	* *		57	* *
Morton	272	90.1 (2)	0.4 (4)		276	33.3 (14)
Mountrail	34	* *	* *		21	* *
Nelson	26	* *	* *		22	* *
Pembina	91	* *	* *		105	45.7 (4)

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 6B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Behavioral Indicators by County
Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2, 3)						
County	Medical Care				WIC Enrollment	
	1st Trimester		No Care		1st Trimester	
	Number	% (Rank)	% (Rank)		Number	% (Rank)
Pierce	58	* *	* *		58	* *
Ramsey	252	81.7 (10)	0.0 (1)		293	37.5 (11)
Ransom	79	* *	* *		60	* *
Renville	22	* *	* *		21	* *
Richland	224	85.7 (8)	1.3 (7)		256	40.2 (10)
Rolette	709	77.9 (12)	1.3 (7)		768	49.7 (2)
Sargent	17	* *	* *		20	* *
Sheridan	9	* *	* *		8	* *
Stark	377	82.5 (9)	4.8 (11)		369	41.5 (9)
Steele	10	* *	* *		8	* *
Stutsman	298	89.9 (3)	1.0 (6)		301	49.8 (1)
Towner	17	* *	* *		19	* *
Traill	69	* *	* *		64	* *
Walsh	196	88.8 (4)	0.0 (1)		254	48.0 (3)
Ward	1,205	86.5 (7)	0.8 (5)		1,338	36.4 (12)
Wells	42	* *	* *		42	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 6B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Maternal Behavioral Indicators by County
Combined 3 Years

Comparison of Maternal Behavioral Indicators ^(2, 3)					
County	Medical Care			WIC Enrollment	
	1st Trimester		No Care	1st Trimester	
	Number	% (Rank)	% (Rank)	Number	% (Rank)
Williams	352	79.0 (11)	4.8 (11)	339	32.7 (15)
Unknown Counties	90	* *	* *	91	* *
North Dakota	9,001	85.5	2.1	9,206	41.6

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2002 - 2004 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by County
Combined 3 Years

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Adams	12	* *	11	* *	6	* *	12	* *	11	* *
Barnes	136	46.3 (6)	115	23.5 (5)	34	* *	106	36.8 (11)	115	35.7 (13)
Benson	260	62.3 (14)	150	27.3 (7)	74	* *	254	35.8 (8)	145	35.9 (14)
Bottineau	53	* *	58	* *	20	* *	49	* *	58	* *
Bowman	33	* *	22	* *	1	* *	26	* *	20	* *
Burke	16	* *	9	* *	4	* *	16	* *	8	* *
Burleigh	859	56.9 (11)	777	28.7 (8)	341	38.7 (3)	738	38.8 (13)	769	32.1 (10)
Cass	1,809	43.1 (3)	1,507	23.9 (6)	478	33.5 (6)	1,457	31.9 (5)	1,499	29.6 (6)
Cavalier	39	* *	32	* *	7	* *	33	* *	32	* *
Dickey	54	* *	37	* *	7	* *	47	* *	37	* *
Divide	12	* *	15	* *	1	* *	9	* *	14	* *
Dunn	15	* *	16	* *	2	* *	9	* *	17	* *
Eddy	28	* *	24	* *	8	* *	24	* *	24	* *
Emmons	81	* *	74	* *	14	* *	70	* *	74	* *
Foster	66	* *	62	* *	20	* *	50	* *	61	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Smoking Indicators by County
Combined 3 Years

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Golden Val	14	* *	11	* *	3	* *	14	* *	11	* *
Grand Fork	1,012	46.5 (7)	853	17.9 (1)	266	46.2 (1)	940	26.9 (1)	847	21.3 (1)
Grant	15	* *	13	* *	0	* *	12	* *	10	* *
Griggs	29	* *	28	* *	7	* *	29	* *	28	* *
Hettinger	18	* *	12	* *	3	* *	18	* *	12	* *
Kidder	34	* *	34	* *	4	* *	26	* *	32	* *
LaMoure	20	* *	16	* *	3	* *	14	* *	15	* *
Logan	20	* *	19	* *	4	* *	14	* *	19	* *
McHenry	42	* *	50	* *	18	* *	40	* *	47	* *
McIntosh	7	* *	8	* *	1	* *	7	* *	7	* *
McKenzie	29	* *	22	* *	7	* *	18	* *	22	* *
McLean	77	* *	64	* *	26	* *	61	* *	64	* *
Mercer	61	* *	64	* *	27	* *	45	* *	63	* *
Morton	284	53.9 (10)	266	31.2 (10)	105	37.1 (5)	226	36.7 (10)	259	32.4 (11)
Mountrail	35	* *	27	* *	3	* *	10	* *	27	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Smoking Indicators by County
Combined 3 Years

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)		Number	% (Rank)	Number	% (Rank)	
Nelson	26	* *	17	* *	4	* *	20	* *	17	* *
Pembina	102	38.2 (2)	44	* *	13	* *	95	* *	43	* *
Pierce	58	* *	52	* *	9	* *	47	* *	50	* *
Ramsey	297	52.5 (9)	246	33.3 (12)	106	28.3 (7)	243	36.2 (9)	245	26.5 (4)
Ransom	67	* *	77	* *	25	* *	64	* *	73	* *
Renville	25	* *	21	* *	6	* *	22	* *	21	* *
Richland	237	57.0 (12)	208	30.3 (9)	90	* *	226	34.1 (7)	208	30.3 (8)
Rolette	774	66.8 (15)	661	46.1 (14)	414	22.2 (9)	730	42.6 (14)	660	29.7 (7)
Sargent	19	* *	16	* *	4	* *	17	* *	16	* *
Sheridan	9	* *	8	* *	2	* *	7	* *	8	* *
Stark	384	45.1 (5)	339	20.9 (3)	121	43.0 (2)	325	31.1 (3)	334	31.4 (9)
Steele	9	* *	7	* *	2	* *	7	* *	6	* *
Stutsman	323	48.6 (8)	275	31.6 (11)	111	23.4 (8)	272	31.3 (4)	266	23.7 (2)
Towner	19	* *	16	* *	7	* *	14	* *	16	* *
Traill	82	* *	65	* *	16	* *	65	* *	65	* *

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 7B
2002 - 2004 Pregnancy Nutrition Surveillance (1)
North Dakota
Comparison of Smoking Indicators by County
Combined 3 Years

Comparison of Smoking Indicators (2, 3)										
County	Smoking				Quit Smoking By First Prenatal Visit and Stayed Off Cigarettes (4)	Smoking in Household				
	3 Months Prior to Pregnancy		Last 3 Months of Pregnancy			Prenatal		Postpartum		
	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Walsh	248	34.3 (1)	165	19.4 (2)	52	* *	217	32.7 (6)	162	26.5 (4)
Ward	1,130	43.2 (4)	1,076	21.8 (4)	344	37.2 (4)	1,079	30.9 (2)	1,017	26.2 (3)
Wells	34	* *	37	* *	9	* *	13	* *	15	* *
Williams	389	57.3 (13)	241	34.4 (13)	81	* *	217	38.2 (12)	239	35.6 (12)
Unknown Counties	90	* *	72	* *	35	* *	81	* *	70	* *
North Dakota	9,492	48.3	8,039	26.3	2,945	34.5	8,135	33.1	7,878	28.1

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) Among women who smoked 3 months prior to pregnancy.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County
Combined 3 Years

Comparison of Infant Health Indicators (2, 3)														
County	Birthweight				Preterm (6)		Full Term LBW (7)		Ever Breastfed					
	Low (4)		High (5)											
	Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)				
Adams	0	*	*	*	*	9	*	*	0	*	*	14	*	*
Barnes	110	6.4	(7)	9.1	(7)	94	*	*	86	*	*	112	58.9	(4)
Benson	184	8.7	(14)	13.6	(14)	174	13.8	(13)	147	4.1	(13)	188	16.5	(14)
Bottineau	44	*	*	*	*	45	*	*	30	*	*	58	*	*
Bowman	34	*	*	*	*	29	*	*	25	*	*	35	*	*
Burke	6	*	*	*	*	6	*	*	4	*	*	8	*	*
Burleigh	761	8.3	(13)	7.1	(2)	600	13.7	(12)	516	2.7	(9)	765	55.0	(7)
Cass	1,484	7.1	(9)	9.0	(6)	1,139	10.9	(4)	1,014	2.3	(6)	1,489	58.9	(4)
Cavalier	35	*	*	*	*	32	*	*	29	*	*	36	*	*
Dickey	57	*	*	*	*	50	*	*	40	*	*	59	*	*
Divide	15	*	*	*	*	8	*	*	8	*	*	15	*	*
Dunn	17	*	*	*	*	15	*	*	14	*	*	17	*	*
Eddy	26	*	*	*	*	26	*	*	24	*	*	26	*	*
Emmons	67	*	*	*	*	64	*	*	54	*	*	72	*	*

(1) Reporting period is January 1 through December 31.

(2) Excludes records with unknown data or errors.

(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

(7) 37 or more weeks gestation and <2500 g.

* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County
Combined 3 Years

Comparison of Infant Health Indicators (2, 3)														
County	Birthweight				Preterm (6)		Full Term LBW (7)		Ever Breastfed					
	Low (4)		High (5)											
	Number	% (Rank)		% (Rank)		Number	% (Rank)		Number	% (Rank)				
Foster	60	*	*	*	*	44	*	*	38	*	*	60	*	*
Golden Val	13	*	*	*	*	12	*	*	9	*	*	13	*	*
Grand Fork	848	6.4	(7)	11.1	(9)	667	11.5	(7)	572	1.7	(3)	870	60.3	(3)
Grant	12	*	*	*	*	10	*	*	10	*	*	12	*	*
Griggs	32	*	*	*	*	32	*	*	27	*	*	33	*	*
Hettinger	13	*	*	*	*	13	*	*	12	*	*	13	*	*
Kidder	33	*	*	*	*	19	*	*	15	*	*	33	*	*
LaMoure	23	*	*	*	*	23	*	*	19	*	*	25	*	*
Logan	18	*	*	*	*	11	*	*	10	*	*	18	*	*
McHenry	49	*	*	*	*	47	*	*	40	*	*	51	*	*
McIntosh	7	*	*	*	*	4	*	*	3	*	*	6	*	*
McKenzie	23	*	*	*	*	17	*	*	14	*	*	23	*	*
McLean	66	*	*	*	*	52	*	*	46	*	*	66	*	*
Mercer	58	*	*	*	*	49	*	*	41	*	*	59	*	*

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(3) Rank compares one county's rate to other counties. Rank 1 = best rate.
(4) <2500 g.
(5) >4000 g.
(6) <37 weeks gestation.
(7) 37 or more weeks gestation and <2500 g.
* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County
Combined 3 Years

Comparison of Infant Health Indicators (2, 3)										
County	Birthweight				Preterm (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)							
	Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Morton	248	4.4 (1)	6.5 (1)		211	11.4 (6)	181	1.1 (1)	255	48.2 (11)
Mountrail	28	* *	* *		12	* *	11	* *	28	* *
Nelson	26	* *	* *		15	* *	13	* *	26	* *
Pembina	56	* *	* *		63	* *	45	* *	68	* *
Pierce	51	* *	* *		51	* *	48	* *	50	* *
Ramsey	222	7.2 (10)	13.5 (13)		232	11.6 (8)	188	3.2 (11)	239	51.0 (9)
Ransom	65	* *	* *		48	* *	38	* *	69	* *
Renville	21	* *	* *		14	* *	14	* *	22	* *
Richland	206	4.4 (1)	12.1 (11)		184	12.0 (10)	160	1.9 (4)	209	54.1 (8)
Rolette	459	5.7 (4)	12.6 (12)		426	10.8 (3)	376	2.7 (9)	460	30.4 (13)
Sargent	16	* *	* *		13	* *	12	* *	17	* *
Sheridan	3	* *	* *		6	* *	2	* *	7	* *
Stark	350	5.7 (4)	7.7 (3)		300	11.0 (5)	261	2.3 (6)	352	56.3 (6)
Steele	0	* *	* *		0	* *	0	* *	0	* *

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(3) Rank compares one county's rate to other counties. Rank 1 = best rate.

(4) <2500 g.

(5) >4000 g.

(6) <37 weeks gestation.

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* Percentages are not calculated if <100 records are available for analysis after exclusions.

Table 8B
2002 - 2004 Pregnancy Nutrition Surveillance ⁽¹⁾
North Dakota
Comparison of Infant Health Indicators by County
Combined 3 Years

Comparison of Infant Health Indicators (2, 3)										
County	Birthweight				Preterm (6)		Full Term LBW (7)		Ever Breastfed	
	Low (4)		High (5)							
	Number	% (Rank)	% (Rank)		Number	% (Rank)	Number	% (Rank)	Number	% (Rank)
Stutsman	275	8.0 (12)	8.0 (4)		255	9.8 (1)	221	3.2 (11)	286	43.7 (12)
Towner	17	* *	* *		17	* *	14	* *	17	* *
Traill	66	* *	* *		48	* *	45	* *	65	* *
Walsh	168	5.4 (3)	8.9 (5)		168	10.7 (2)	146	1.4 (2)	169	50.3 (10)
Ward	1,088	6.3 (6)	9.7 (8)		1,027	11.6 (8)	877	2.4 (8)	1,125	60.4 (2)
Wells	35	* *	* *		32	* *	23	* *	41	* *
Williams	237	7.2 (10)	11.4 (10)		173	12.7 (11)	150	2.0 (5)	241	61.8 (1)
Unknown Counties	83	* *	* *		75	* *	67	* *	86	* *
North Dakota	7,815	6.6	9.8		6,661	11.3	5,739	2.4	8,008	54.8

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